FIG. 1

Input

Local/Remote
Computer    40

Select
Display    43

Yes

Position Data Stylus
On Display    46

Thumbwheel
Input

Select Function    42

Memory Function    44

Sense Removal
of Stylus    48

Data From Stylus    50

Position
Determined
Upon Removal
of Stylus    52    NO

Enter data on display and
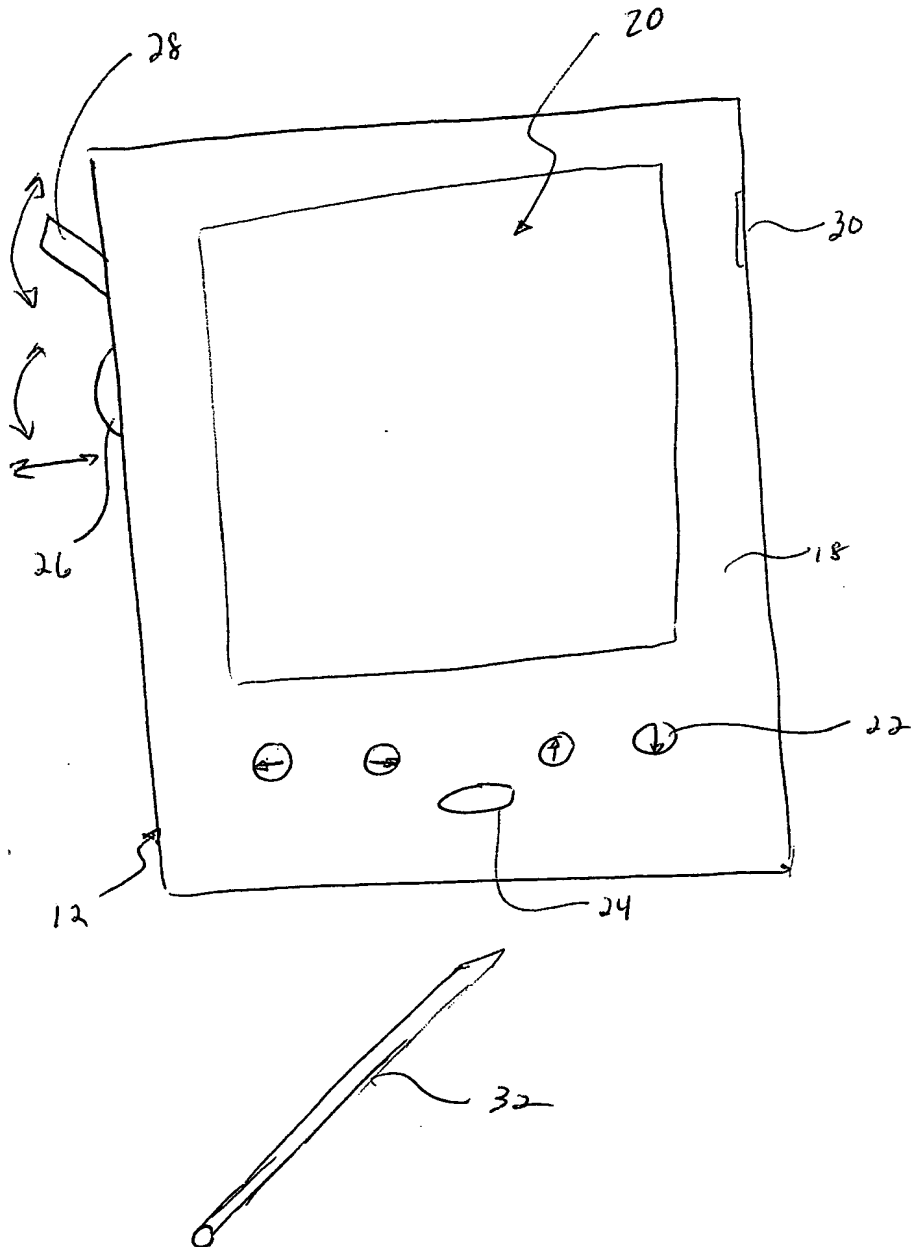into computer    54
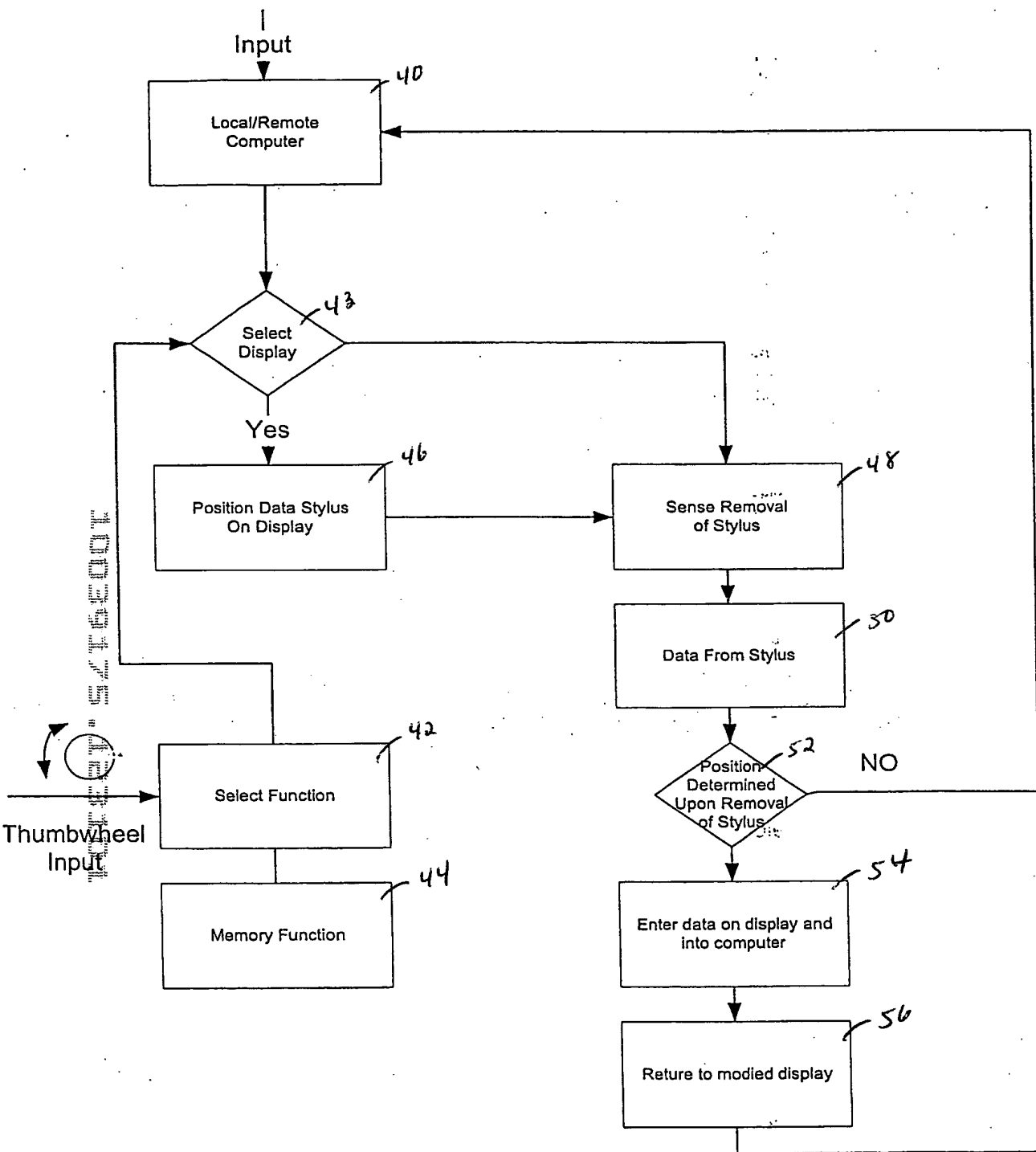
Reture to modied display    56

FIG. 2

Figure 3 -- Improved system with manually operable function select

Figure 1a Overall block diagram
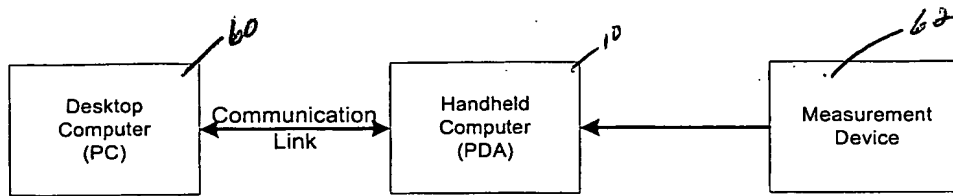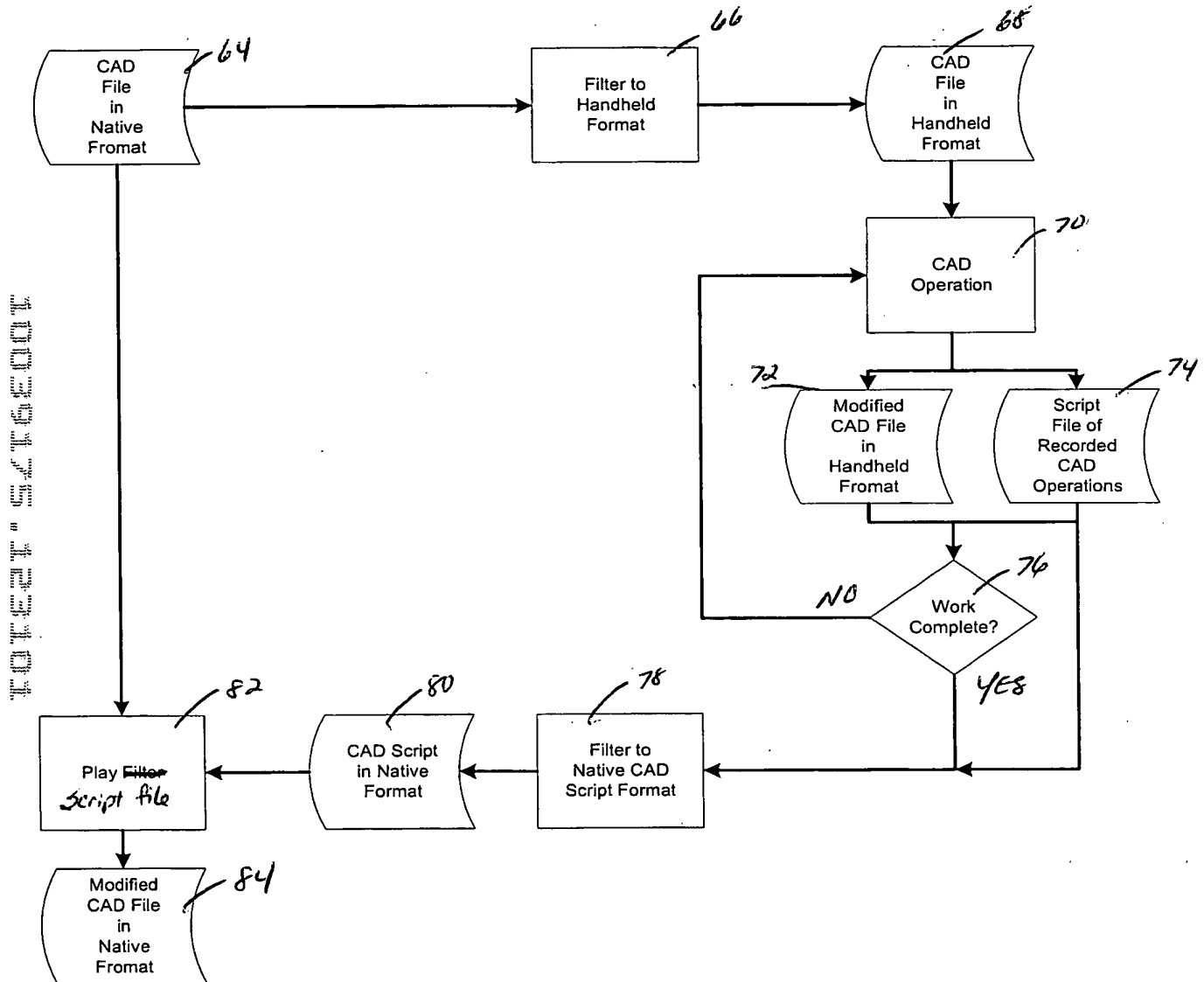


Figure 1b Data flow for modifying, and creating Native
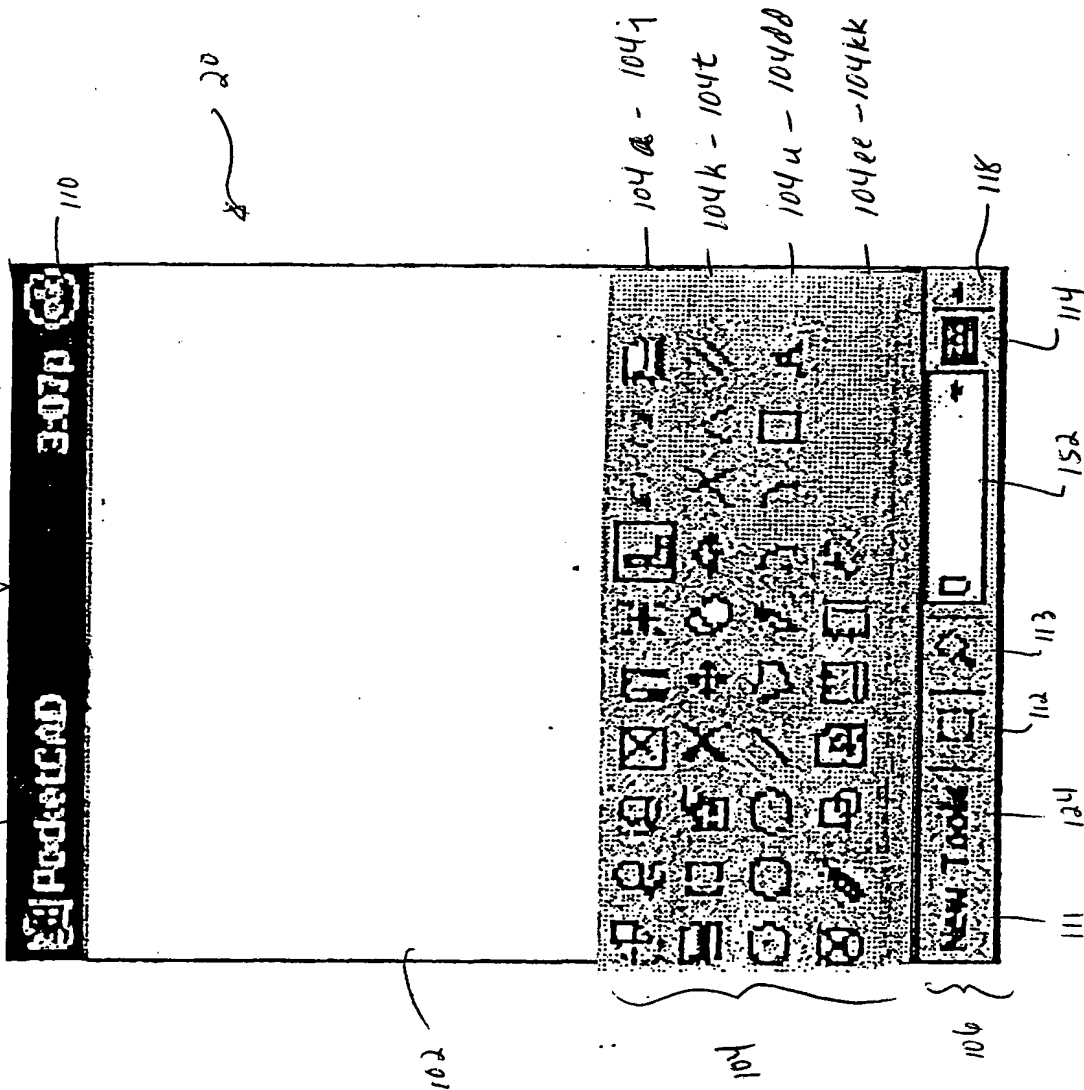CAD drawings

Total "Extent" 100x100

PocketCAD    3:07p

New Tool    0

FIG. 4

FIG. 5

FIG. 6

**Set First Point**     10:55a

**Base Point**
X   0.000      Pick Base
Y   0.000      Use Last

**Rel. Dist/Dir**   Abs. X/Y   Rel. X/Y

Angle           Distance

| 0.0 | 0.0 | << | << |

Pick Angle     Pick Dist.

| 135 | 90 | 45 | 7 | 8 |
| 180 | | 0 | 4 | Click the Angle and |
| 225 | 270 | 315 | 1 | 2 | 3 |
| | | | +/- | 0 | . |

Select pre-defined angle options.

New Tools   [ ]   🔍   S-GRID-DIV ▼
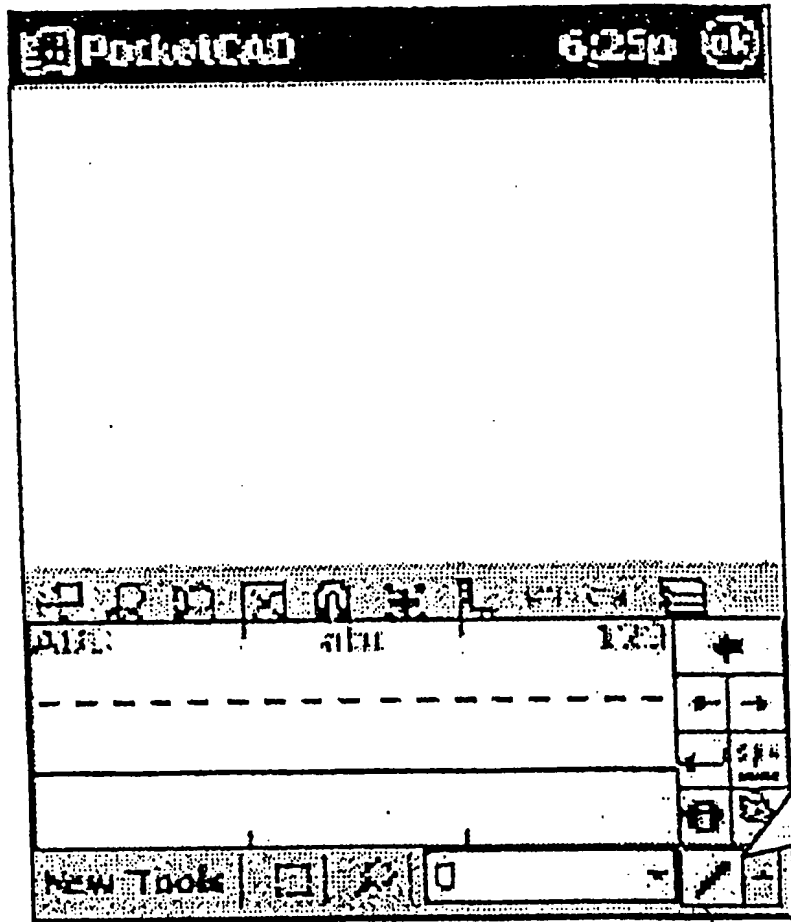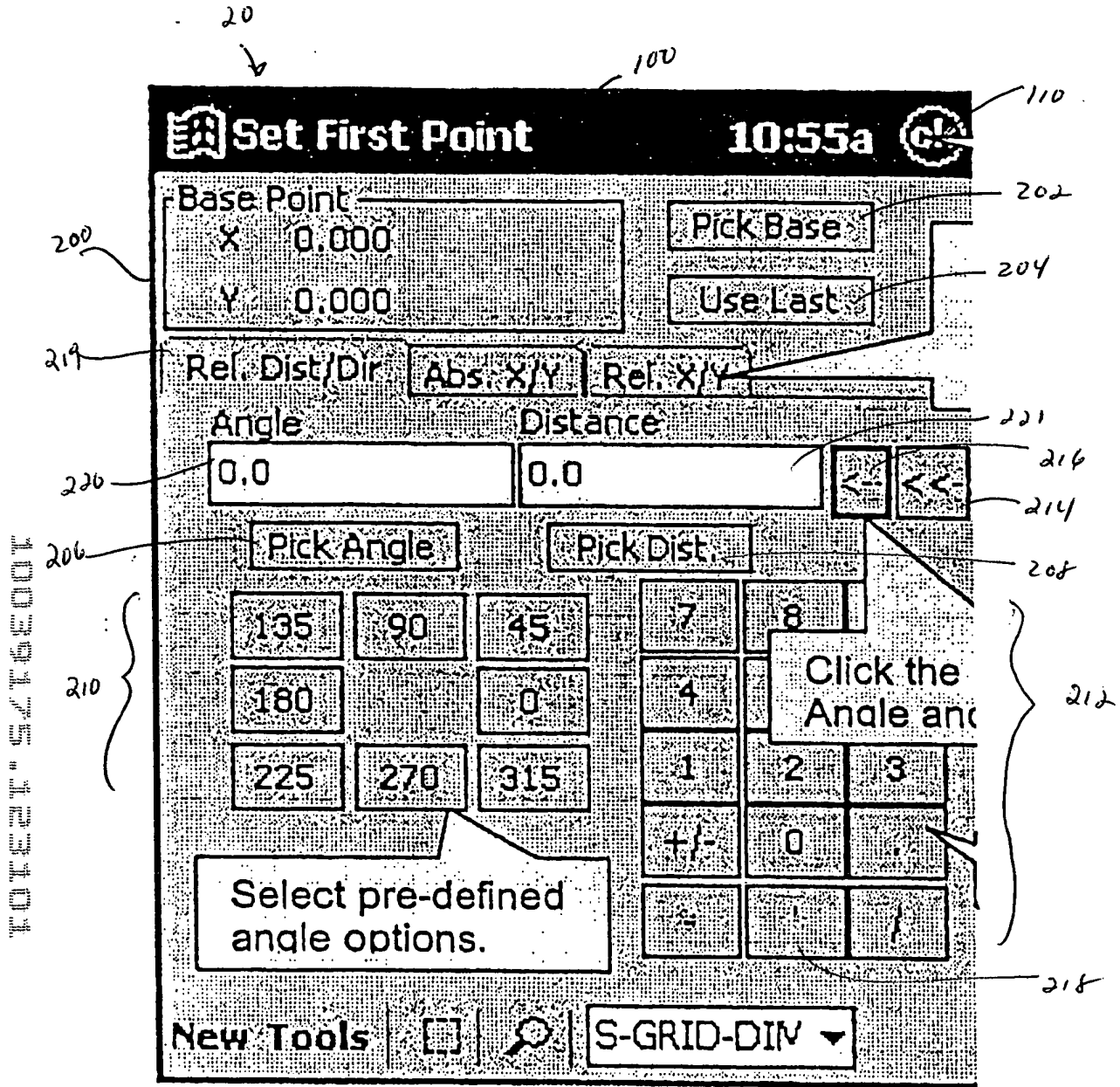
*Figure 10. Default view for the Set First Point dialog box*

FIG. 7

Figure 15. Pick Points dialog box

FIG. 8

Figure 2V. Setting a specific line angle and distance

FIG. 9

**Set First Point**     10:57a (ok)

Base Point
X   0.000
Y   0.000

Pick Base
Use Last

Rel. Dist/Dir | Abs. X/Y | Rel. X/Y

X Coordinate     Y Coordinate

0.0     0.0     <- | <<

| 7 | 8 | 9 |
| 4 | 5 | 6 |
| 1 | 2 | 3 |
| +/- | 0 | |
| | . | |

New Tools | ☐ | 🔍 | S-GRID-DIM ▾

*Figure 11. Absolute X/Y page in the Set First Point dialog box*

*FIG. 10*
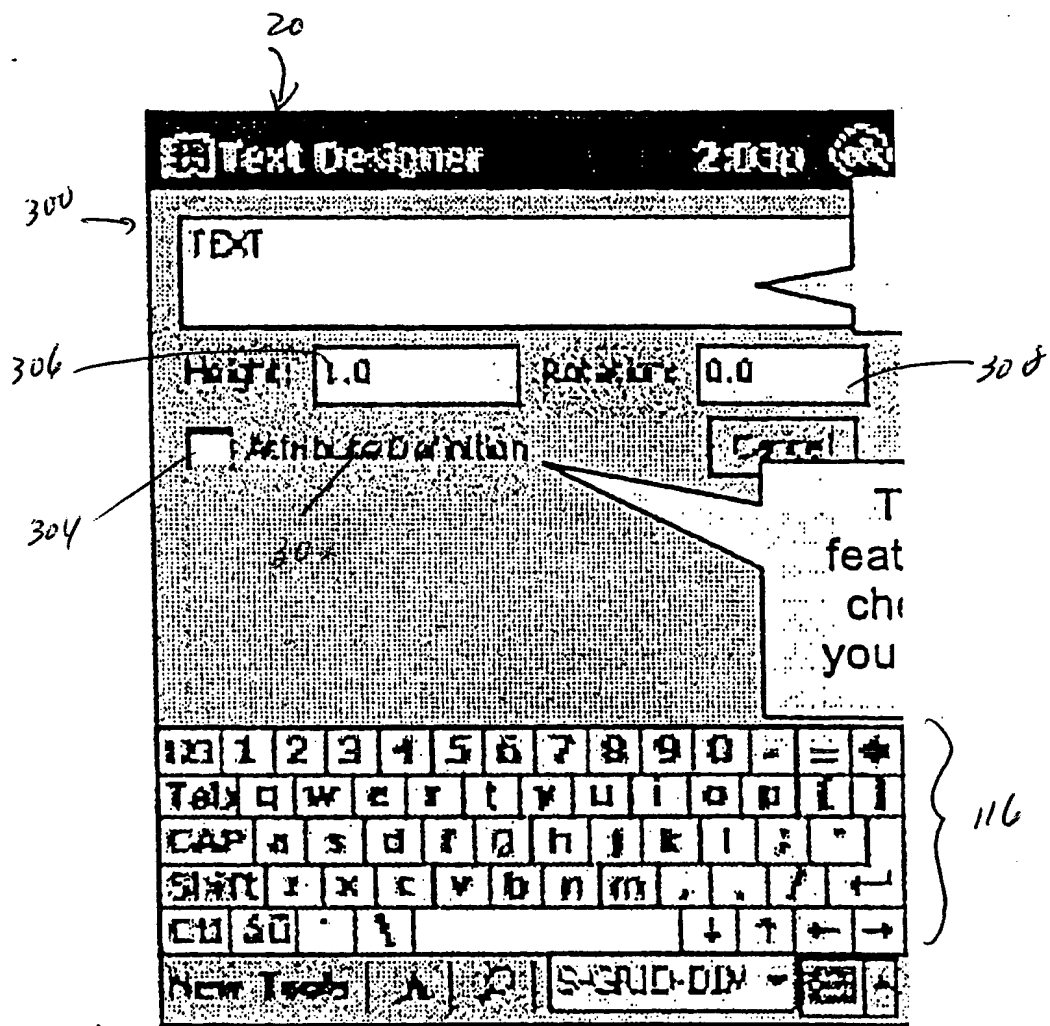
Figure 27. Text Designer dialog box

FIG. 11

| Name | Color | |
|------|-------|---|
| ☑ B-WALL | Red | |
| ☑ B-PATT ~362 | Red ~364 | |
| ☑ S-GRID-IDEN | Yellow | |
| ☑ S-GRID | Blue | |
| ☑ B-GLAZ-SILL | Blue | |
| ☑ B-UTIL-TOIL | Blue | |
| ☑ B-TEXT | Green | |
| ☑ B-DOOR | Green | |
| ☑ R-WALL-HEAD | Blue | |

Current Layer: S-GRID-DIMS

[New Layer] [Set Current] [Properties]

Current Layer pull list box

New Tools | A | 🔍 | S-GRID-DIM ▼
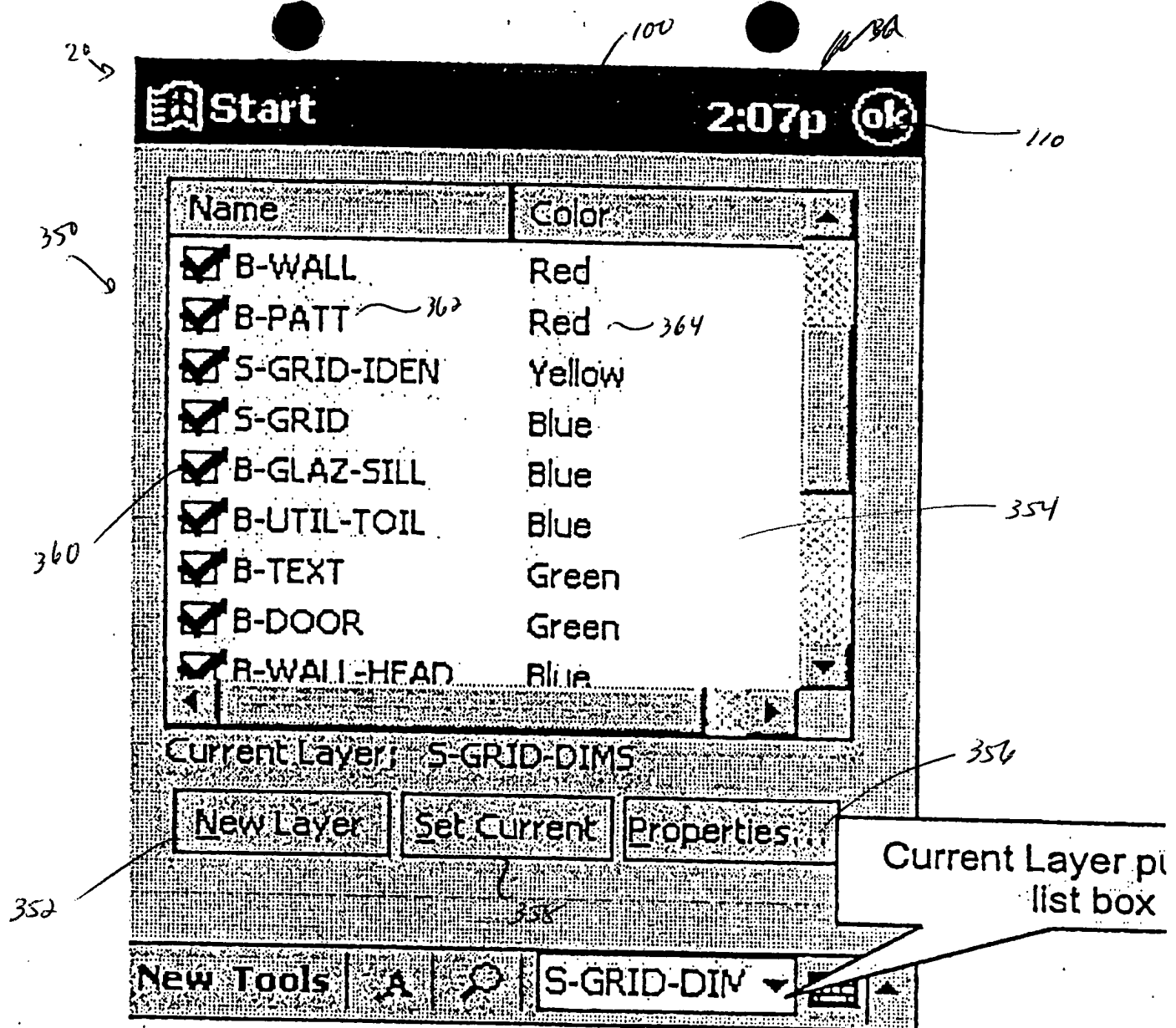
Figure 28. Layer dialog box

FIG. 12

**PocketCAD**  9:57a  (ok) — 110

100

404 → **File...**

400 → \my.cad

402 → **Block...**

my

Th
is (
ins
dra

Rotation Angle  0.0

410 → X Scale Factor  1.0

406 →

Y Scale Factor  1.0

408 →

123 1 2 3 4 5 6 7 8 9 0 - = ←
Tab q w e r t y u i o p [ ]
CAP a s d f g h j k l ; '
Shift z x c v b n m , . / ↵
Ctl áü ` \ ↓ ↑ ← →

New Tools ⊗ ▲ 🔍 Builtin ▼ ⌨ ▲
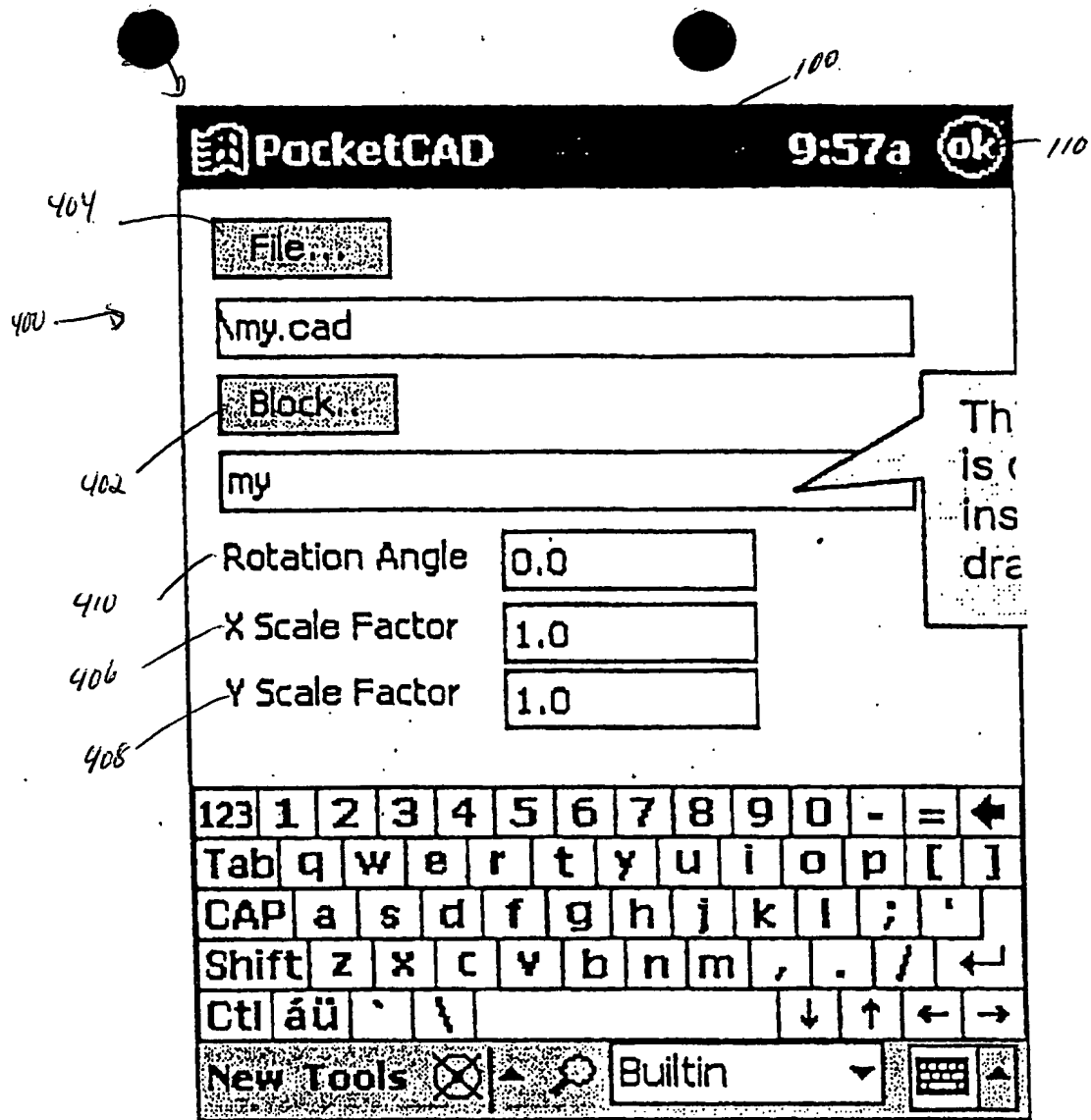
Figure 3A Insert Block dialog box

FIG. 13

20

420

422

Open 2:57p

Open

Folder: All Folders   Cancel

Type: Drawing Files (*.CAD)

Name ▲   Type   Date

Licirs   8/23 6:56 P

sample   8/22 6:24 P

Figure 36. Standard Windows File Open dialog box

FIG. 14

20

100

442

**Start**                                          3:47p (ok)

Block Name

Name: | new_cubicle ▾ |

Base Point

X     0.000000

Y     0.000000                    | < Select |        444
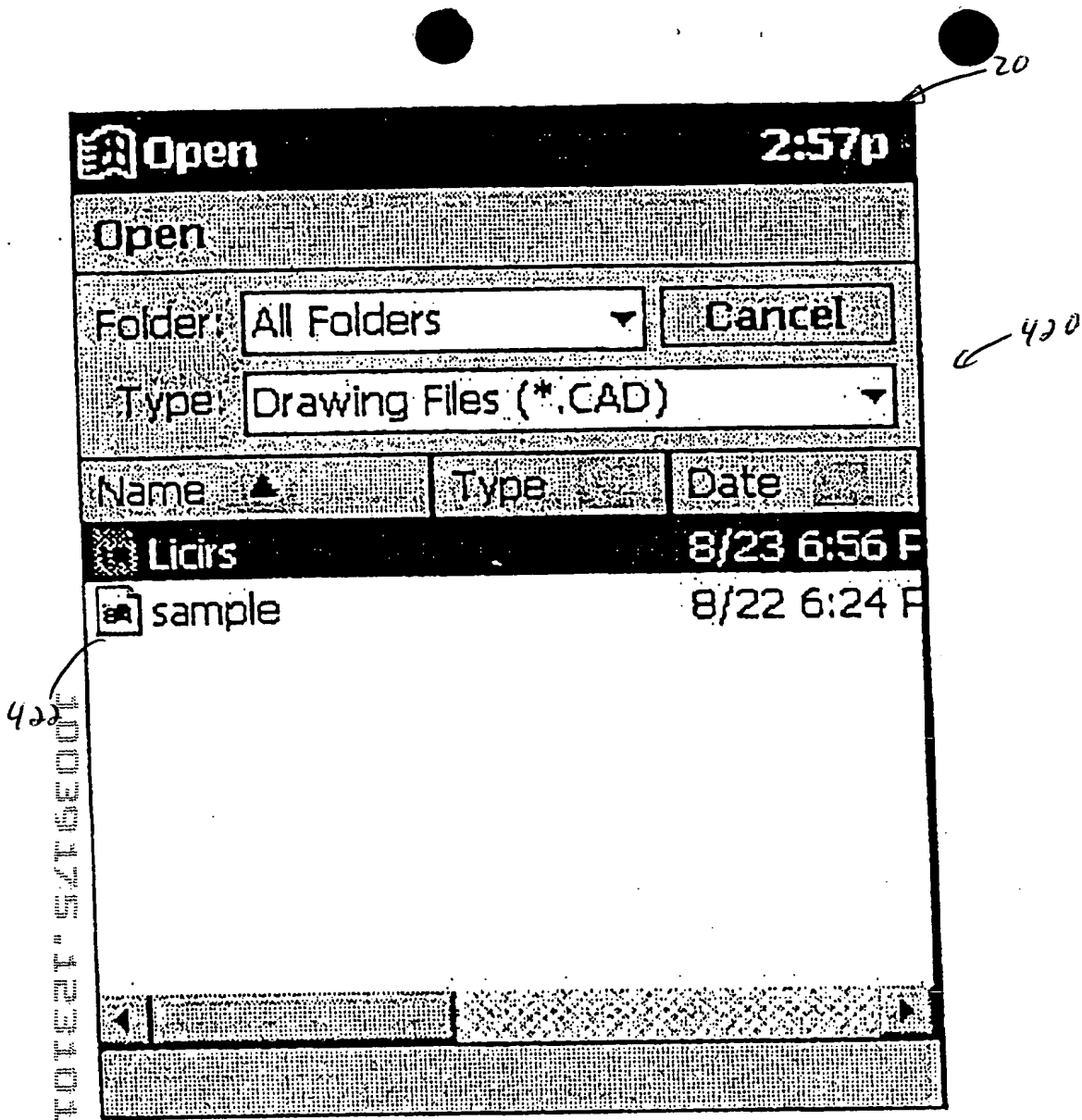
1 Entity Selected                 | Cancel |

New Tools  [⬚] [🔍] | 0 ▾ |

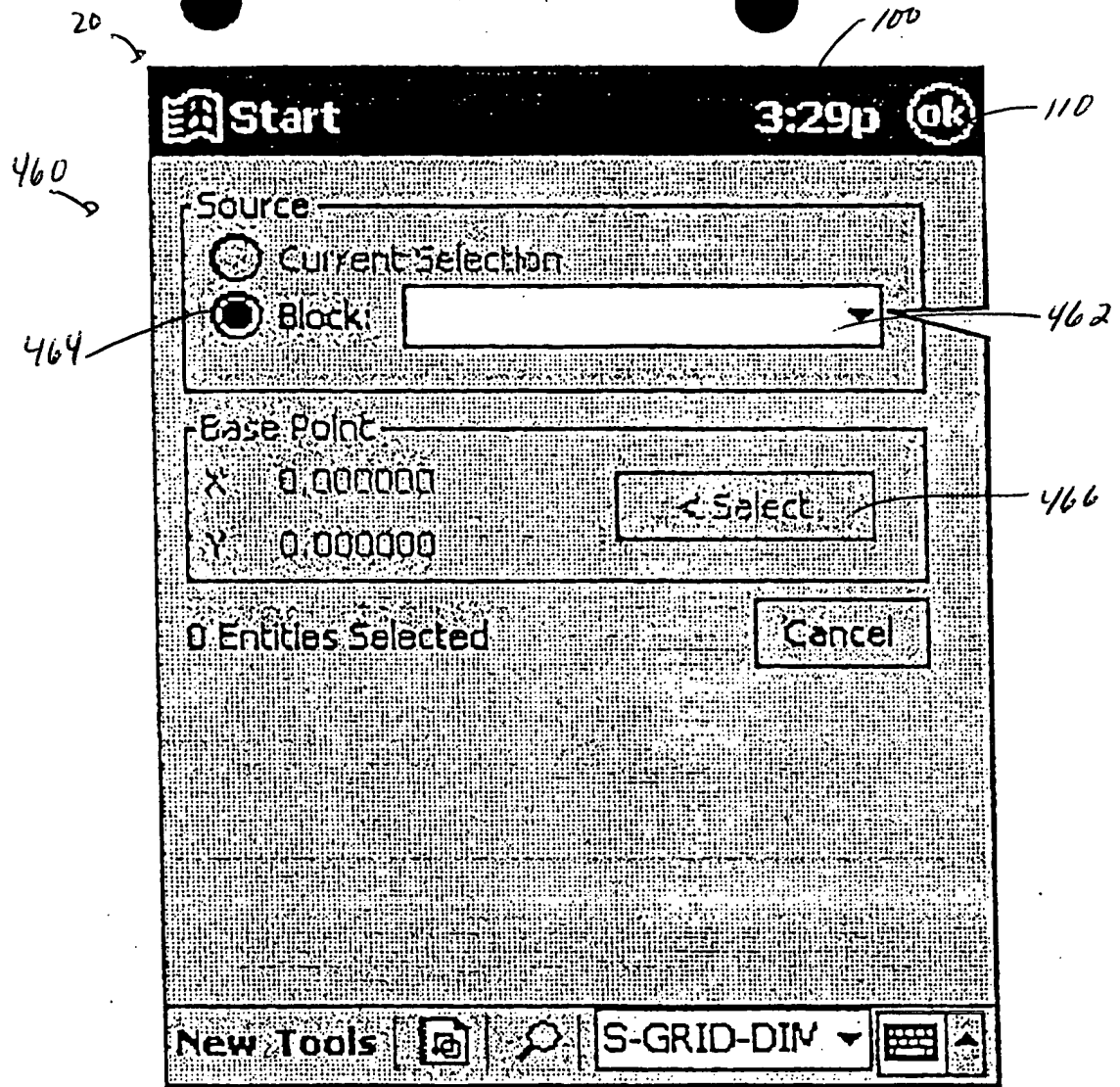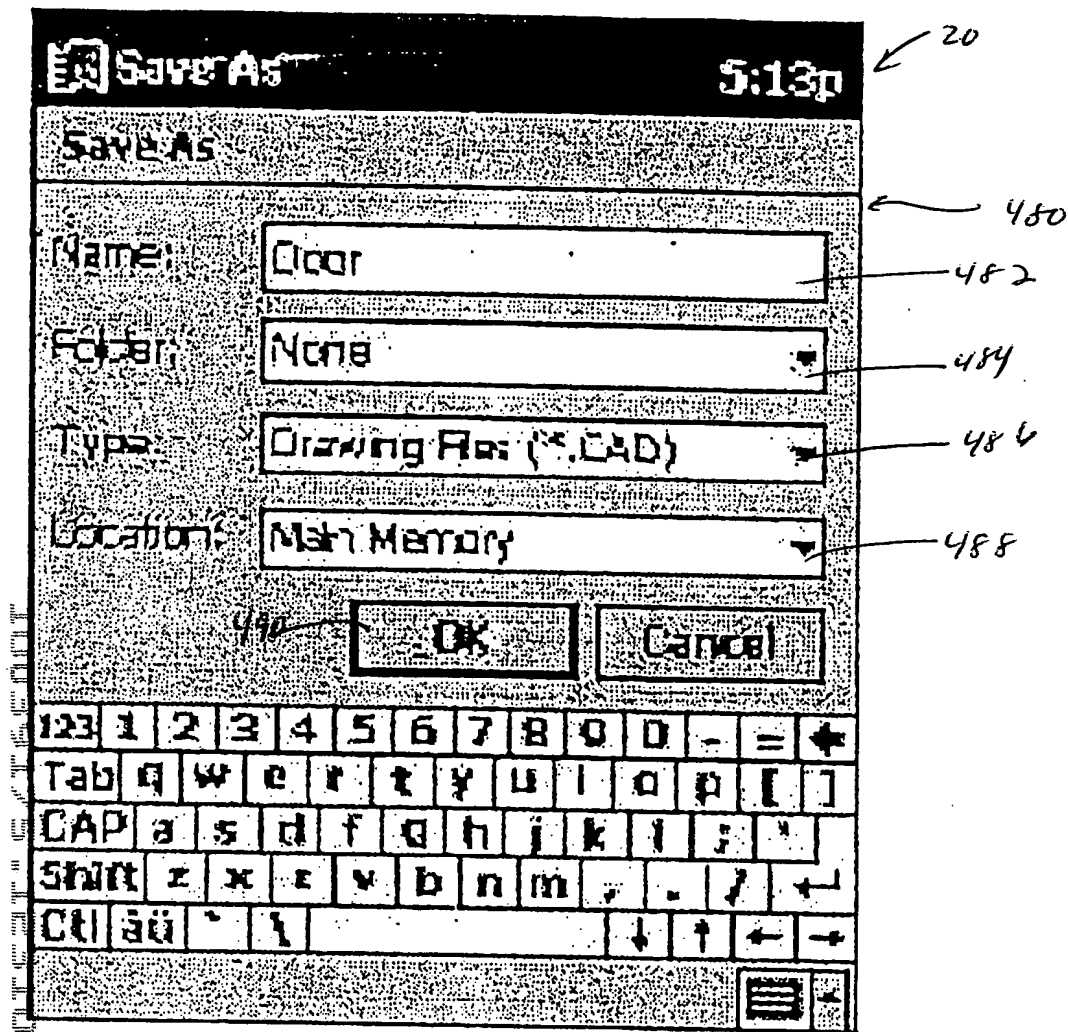Figure 38. Make Block dialog box

FIG. 15

Figure 441 Write Block dialog box

FIG. 16

Figure 42 Save As dialog box showing block to write

FIG. 17

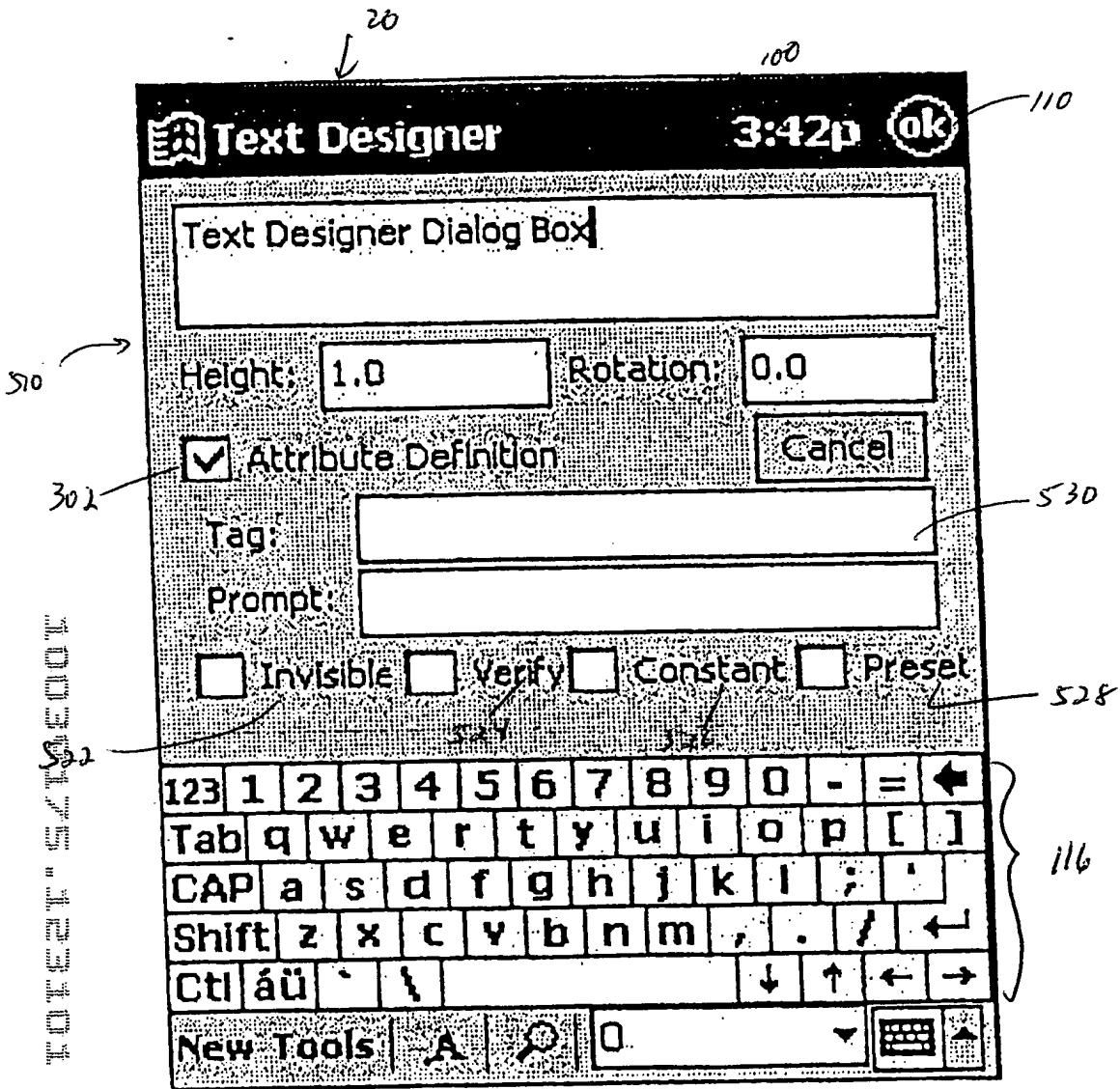Figure 46. Property dialog box for attributes

FIG. 18

20

100

110

540

544

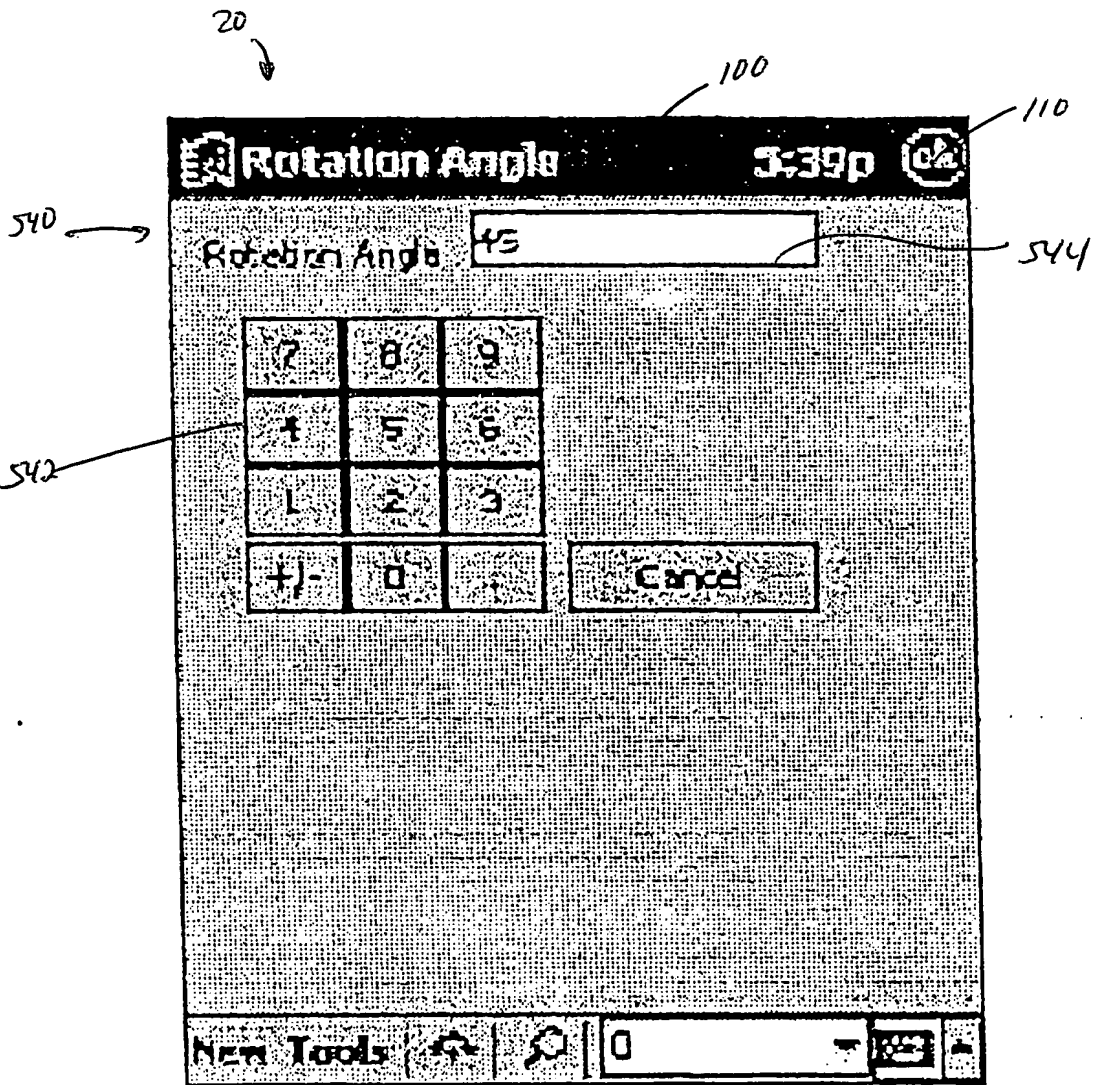**⊞ Rotation Angle**     **3:39p** (c4)

Rotation Angle   | 45 |

542

| 7 | 8 | 9 |
| 4 | 5 | 6 |
| 1 | 2 | 3 |
| +/- | 0 | . |

| Cancel |

New Tools | ⟳ | 🔍 | 0    ▼ | ⌨ | ▲

*Figure 53. Rotation Angle dialog box*

FIG. 19

20

100

110

560

**Offset Distance**  5:49p **(ok)**

Offset

```
0.0000
```

```
Cancel
```

| 123 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | - | = | ← |
| Tab | q | w | e | r | t | y | u | i | o | p | [ | ] |
| CAP | a | s | d | f | g | h | j | k | l | ; | ' |
| Shift | z | x | c | v | b | n | m | , | . | / | ↵ |
| Ctl | áü | ` | \ | | | | ↓ | ↑ | ← | → |

116

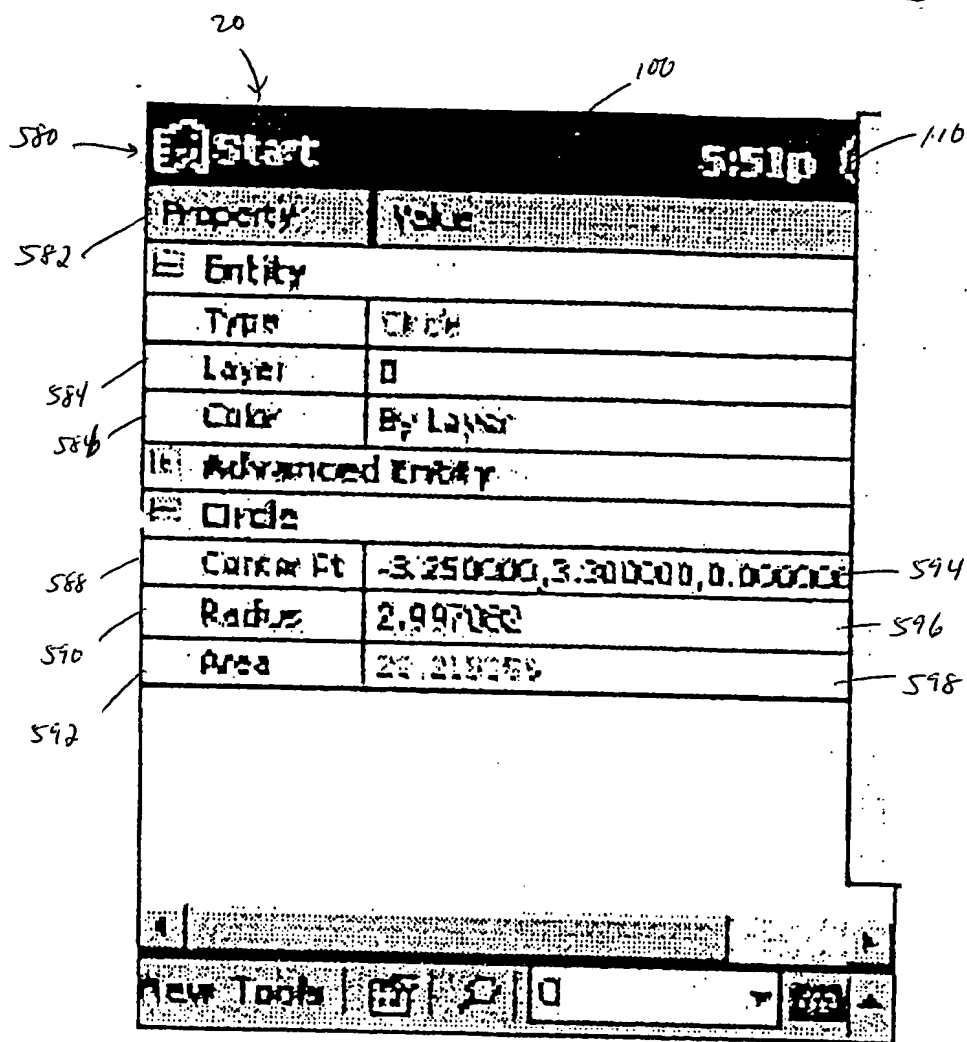New Tools  // 🔍 | 0 | ▼ | ⌨ | ▲ |

FIG. 20

580 →
582

584
586

588
590
592

100
110
594
596
598

Figure 56. Object Properties dialog box

FIG. 21